

User Guide for SAP BW and SAP BW/4HANA Note Analyzer

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Revision Log

Version	Date	Remarks
1.0	2017-11-26	<ul style="list-style-type: none">Initial version of the User Guide for SAP BW Note Analyzer
1.1	2017-12-12	<ul style="list-style-type: none">Added clarifications and tips to various sections
1.2	2018-04-15	<ul style="list-style-type: none">Updates related to SAP BW Note Analyzer v110
1.3	2018-06-15	<ul style="list-style-type: none">Added some items to list of prerequisites
1.4	2018-10-01	<ul style="list-style-type: none">Added new use casesAdded description of version checkAdded new action icon for SAP Notes with inactive objectsAdded SAP Note 2498908 with demo for TCI enablementAdded new action icons for software download/upload
1.5	2020-02-21	<ul style="list-style-type: none">Removed section about creation of SAPOSS connection

1 Introduction

The SAP BW and SAP BW/4HANA Note Analyzer provides a clear and consistent process to update a particular component or process of SAP BW or SAP BW/4HANA without implementing support packages. The Note Analyzer is used to install all tools and updates required for a given component or process. The code of and content for the Note Analyzer is attached to a central SAP Note for the component.

Currently the following components and processes are supported:

Component / Process	Central SAP Note
Conversion from SAP BW to SAP BW/4HANA <ul style="list-style-type: none">• Pre-check (Original System)• In-place Conversion (Original System)• In-place Conversion (Post System Conversion)• Remote Conversion (Original System)• Remote Conversion (Control System)• Remote Conversion (Target System)• Shell Conversion (Original System)• Shell Conversion (Target System)• Prerequisites for ODP (BW Source Systems)	SAP Note 2383530
Support further SAP Analytics Cloud BW features	SAP Note 2541557
Overview and summary of the most important SAP Notes in the context of BW transformations with SAP HANA and ABAP execution	SAP Note 2603241

2 Installing SAP BW Note Analyzer

2.1 SAP BW Note Analyzer Program

The following steps describe how to install the SAP BW Note Analyzer:

1. Open the Central SAP Note.
2. Download and unzip the attached file `SAP_BW_NOTE_ANALYZER_[Date].zip`. The ZIP file contains the following files:
 - `Z_SAP_BW_NOTE_ANALYZER.txt`
 - One or more XML files (the content for the SAP BW Note Analyzer)
3. Call transaction **SE38**.
4. Create the program `Z_SAP_BW_NOTE_ANALYZER`.
5. Enter the title "SAP BW Note Analyzer".
6. Choose the attribute key "Executable program".
7. The Note Analyzer program is only relevant for development systems. Therefore, save the program as a local, temporary object (\$TMP).

→ Note

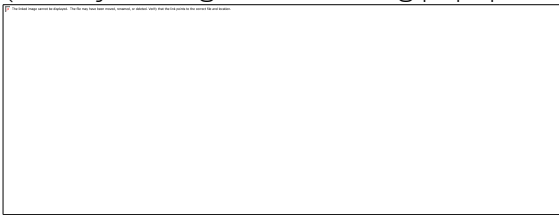
Changes to the development system that are recommended by the Note Analyzer (like implementing SAP Notes) are captured in a transport and then imported to test and production systems. If you wish to *check* your test or production systems using Note Analyzer as well (there might be slight difference to your development system), then assign the Note Analyzer program to a package and include it in the transport.

8. In the menu bar, choose Utilities → More Utilities → Upload/Download. A dialog box appears.
9. Select the file `Z_SAP_BW_NOTE_ANALYZER.txt` to import the code.
10. Save and activate the program.

3 Using SAP BW Note Analyzer

3.1 Prerequisites

- You have created the program **Z_SAP_BW_NOTE_ANALYZER**.
- You have configured the remote function call (RFC) connection to SAP.
- The SAP BW client must be maintained.
(This happens first time you use transaction RSA1).
- At least one SAP source system of type SAPI, ODP, or Data Mart should exist to identify the system as a SAP BW system.
(If not, you will get the following popup:

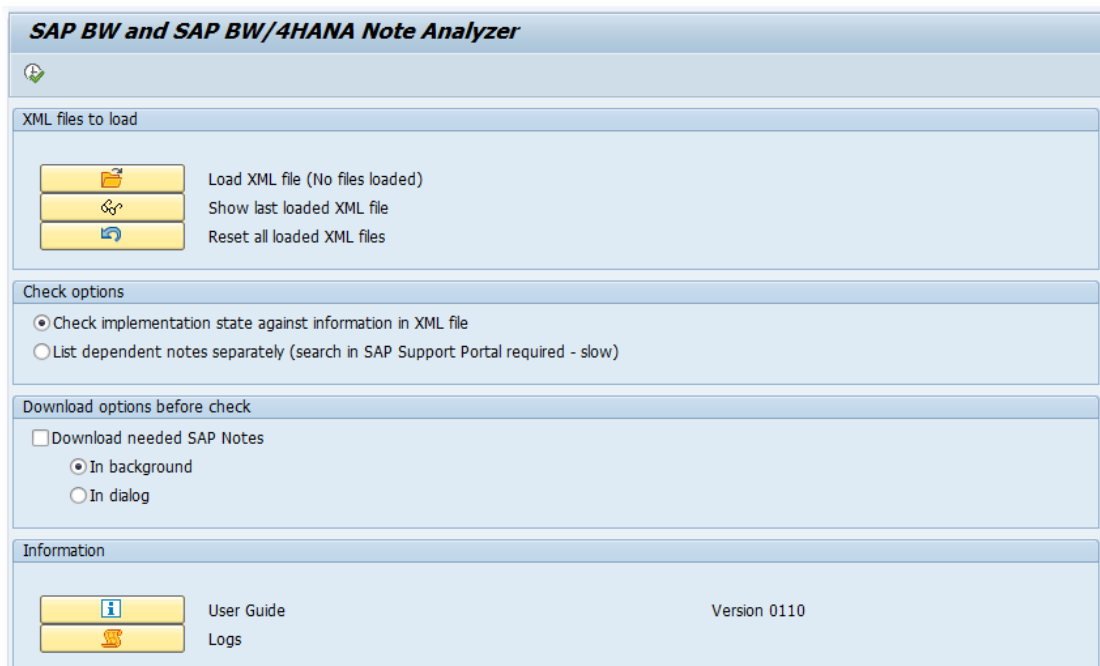


Confirm, if you want to check the system anyway.)

3.2 Procedure

As an example, we show how the Note Analyzer is used to update the tools for converting a system from SAP BW to SAP BW/4HANA.

1. Logon to you SAP BW client (**not** client 000).
2. Call transaction **SE38** (or transaction **SA38**).
3. Execute the program **Z_SAP_BW_NOTE_ANALYZER**.



4. Choose "Load XML file".
5. Select and upload the XML file corresponding to the component or process you want to check or install (for example, see the ZIP file attached to SAP Note [2383530](#)).
6. Select option "Check implementation state against information in XML file" (default)
7. Choose Execute.
8. The program displays the results.

SAP BW and SAP BW/4HANA Note Analyzer Results								
Scope ID	Checked	Status	Action	Message	More	SW Compone	Release	SP Level
System Information								
System	Analyzer	OK		Note analyzer version 107 executed at 20171108211317				
	System	OK		SID CBW Host mo-e6bc7bfbf				
	Component	OK		Installed component "Business Intelligence Content"		BI_CONT	737	21
		OK		Installed component "Business Intelligence Content for Bobj I"		BI_CONT_XT	737	21
		OK		Installed component "DMIS 2011_1"		DMIS	2011_1_730	10
		OK		Installed component "PCAL_ENT 100"		PCAL_ENT	100	00
		OK		Installed component "Basis Plug-In"		PI_BASIS	730	17
		OK		Installed component "Cross-Application Component"		SAP_ABA	730	17
		OK		Installed component "SAP Basis Component"		SAP_BASIS	730	17
		OK		Installed component "SAP Business Warehouse"		SAP_BW	730	17
		OK		Installed component "Servicetools for other App./Netweaver200"		ST-A/PI	015_710	02
		OK		Installed component "SAP Solution Tools Plug-In"		ST-PI	2008_1_710	16
	Kernel	OK		Kernel Release 720 support package level 800				
	R3trans	OK		R3trans build at 20150205115200				
	Database	OK		Database name CBW type MSSQL release 12.00.4419.00 DSQL patchlevel 720				
	SPAM	OK		SPAM release 730 version 65				
	BW	OK		System is a BW system				
Scope Checking Phase								
NOTE_ANA	NOTE_ANA	OK		Scope "Note Analyzer Prerequisites" loaded				
BW4_ADDON	BW4_ADDON	OK		Scope "Requirements for Pre-Checks for Conversion to SAP BW/4HANA" loaded				
SAP_BW4HANA_ADDON	SAP_BW4HANA_ADDON	OK		Scope "Requirements for Pre-Checks for Conversion to SAP BW/4HANA" loaded				
Software Component Checking Phase								
SAP_BW4HANA_ADDON	SAP_BW	OK		Software component fulfills prerequisites				
Preparation SAP Note Checking Phase								
NOTE_ANA	875986	OK		SAP Note not relevant for this system: 875986 (112) "Note Assistant: Important notes for SAP_BASIS up to 702"				
	1668882	OK		SAP Note implemented or obsolete: 1668882 (21) "Note Assistant: Important notes for SAP_BASIS 730,731,740,75"		SAP_BASIS	730	99
	1143452	OK		SAP Note not relevant for this system: 1143452 (4) "Note impl. test: Download of outdated predecessor notes"				
	1291055	OK		SAP Note not relevant for this system: 1291055 (3) "Note Assistant: Problem activating exception classes"				
	1349277	OK		SAP Note not relevant for this system: 1349277 (3) "Note Assistant: Method cannot be implemented"				
	1524252	OK		SAP Note not relevant for this system: 1524252 (1) "Note implementation test: download unreleased notes"				
	1523687	OK		SAP Note not relevant for this system: 1523687 (24) "SNOTE: Notes - Interface enhancement"				
	1530273	OK		SAP Note not relevant for this system: 1530273 (1) "Note Assistant: Incorrect error message for INTF methods"				
	1552560	OK		SAP Note not relevant for this system: 1552560 (5) "SNOTE: Element sequence in queue for implm./deimplementing"				
	1627683	OK		SAP Note not relevant for this system: 1627683 (9) "SCWB/SNOTE/SPAU: Changed development package"				
	1734555	OK		SAP Note not relevant for this system: 1734555 (12) "SNOTE: Performance fix in Interface enhancement"				
	1995550	OK		SAP Note not relevant for this system: 1995550 (19) "Enabling SNOTE for transport based correction instruction"				
	1610942	OK		SAP Note not relevant for this system: 1610942 (1) "CONVERT_OTF error due to non matching languages"				
SAP Note Checking Phase								
		OK		Patch up to the following support packages or implement the SAP Notes with status RED				
		OK		Component SAP_BW; release 730; support package level 19				
BW4_ADDON	2228413	OK		SAP Note not relevant for this system: 2228413 (16) "Technical prerequisites for SAP BW Edition for SAP HANA"				
	2285440	OK		SAP Note not relevant for this system: 2285440 (3) "Technical prerequisites in BW for "SAP BW Edition for SAP HA"				
	2330548	OK		SAP Note implemented or obsolete: 2330548 (6) "SAP BW 7.5, edition for SAP HANA : Prepare Check (DataStagin"		SAP_BW	730	18

9. If there are many missing SAP Notes, exit and select "Download needed SAP Notes" and "In background". Execute the program again.

- The program schedules a background job with the naming convention **SAP_BW_NOTES_DOWNLOAD**.
- The job downloads the SAP Notes listed in the uploaded XML file.
- The program exits.

10. Call transaction **SM37**.
11. Check the status of the background job.
12. When the background job is finished, call transaction **SE38**.
13. Execute the program **Z_SAP_BW_NOTE_ANALYZER**. Ensure that the "Download needed SAP Notes" checkbox is deselected.
14. Choose Execute.
15. The program displays the check result.

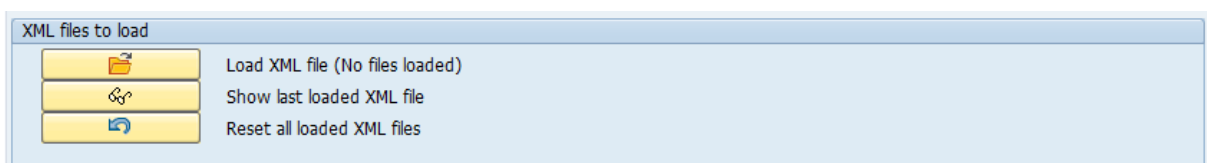
16. Inspect the results and resolve any warnings and errors (see chapter 4).

→ Tip

It is recommended to work through the results from top to bottom. This will ensure the correct order of implementing SAP Notes and take their dependencies into consideration.¹

3.3 Selection Screen

The File Buttons:



The Load Button allows you to add as many XML files as are needed. In most cases, you will need one, in some cases two files.

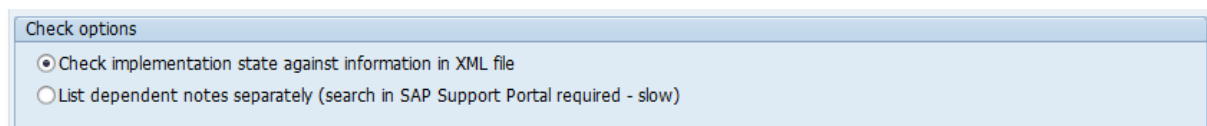
If you forget a mandatory file, you will get a message when you try to execute the program. In this case load the missing file.

While you can display the XML structure of the last file loaded you don't need to do so. The program lists the content in the analysis.

You may reset all loaded files for a fresh start.

Note: The content of the XML file is not saved. After a restart of the program, you will have to load the XML file again. We recommend to always use the latest version of the XML file available in the Central SAP Note.

The Check Options



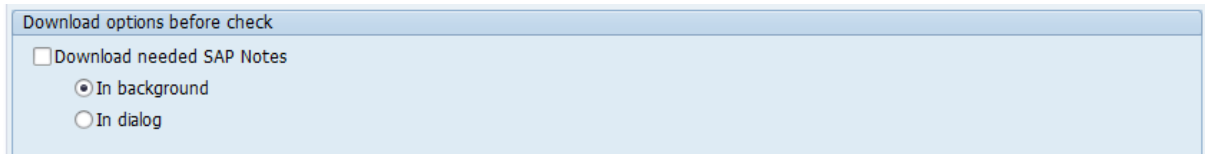
The default option is to check the implementation status. The program takes the information on needed SAP Notes from the XML file and checks their implementation

¹ Exceptions apply. If SAP Notes are not listed in the proper order, please contact SAP so we may adjust the XML content.

status. Even if hundreds of SAP Notes are included in the XML file, the check will take only a few seconds.

The second option tries to resolve each note against SAP Support Portal. This can find additional prerequisites not yet defined in the XML files. This is similar to the resolve process during the actual implementation of SAP Notes in transaction SNOTE. As this requires checking each SAP Note remotely against SAP Support Portal, it requires a lot more time than the first option.

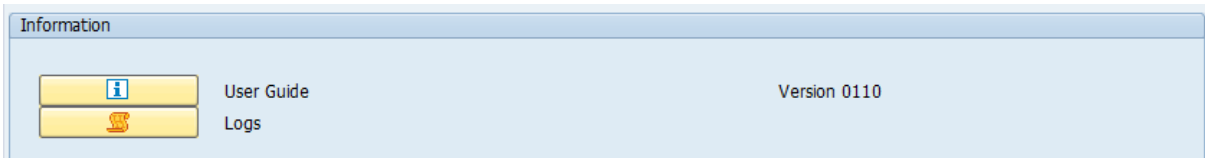
The Download Options:



You don't need to download the SAP Notes for checking their implementation status.

If you intend to implement the SAP Notes of one or more XML files and your initial check of the implementation state shows that many SAP Notes are missing in your system, your implementation goes smoother, if you download the SAP Notes beforehand. In this case, we recommend downloading all required SAP Notes in a background job, as this is a time-consuming task. You can continue with the SAP BW Note Analyzer after the background job has ended.

Additional Information:



The information section links to the user guide (this document) and provides a button to display the logs of any previous executions of the SAP BW Note Analyzer (as of v0110). Each XML file contains an ID and version, which are displayed in the log together with the status of the implementation.

SAP BW Note Analyzer Logs					
SAP Note	Status	Message	User	Date	Time
2383530	✔	Installation completed successfully: BW4_PRE_CHECK Version: 1.5	BERNARDMA	2018-04-10	09:35:29
2383530	✘	Installation incomplete: BW4_PRE_CHECK Version: 1.5	BERNARDMA	2018-04-10	10:31:17
2383530	✘	Installation incomplete: BW4_SOURCE_SYSTEM Version: 1.5	BERNARDMA	2018-04-10	10:31:17
2383530	✔	Installation completed successfully: BW4_PRE_CHECK Version: 1.5	BERNARDMA	2018-04-10	10:32:15
2383530	✔	Installation completed successfully: BW4_SOURCE_SYSTEM Version: 1.5	BERNARDMA	2018-04-10	10:32:15
2575059	✘	Installation incomplete: BW4_READINESS Version: 1.0	BERNARDMA	2018-04-11	12:00:45
2575059	✔	Installation completed successfully: BW4_READINESS Version: 1.0	BERNARDMA	2018-04-11	12:21:21

The messages related to SAP BW Note Analyzer are also included in the log of the corresponding central SAP Note available in SAP Note Assistant (transaction SNOTE):

Note Assistant: Note Display

SAP Note: 2383530 (42) | Version: 42

Status: Implementation Status: Cannot be implemented | Processing Status: Not Relevant | Processor: BERNARDMA

Note Log 2383530




Date	Time	User	M...	Text	Message ...
2017-08-16	14:06:09	BERNARDMA	i	Note 0002383530 downloaded in version 0014 (using RFC SAPOSS)	
2017-08-18	14:56:23	BERNARDMA	i	Note 0002383530 downloaded in version 0016 (using RFC SAPOSS)	
2017-08-21	12:28:26	BERNARDMA	i	Note 0002383530 downloaded in version 0017 (using RFC SAPOSS)	
2017-08-30	16:32:30	BERNARDMA	i	Note 0002383530 downloaded in version 0018 (using RFC SAPOSS)	
2017-09-01	07:42:04	BERNARDMA	i	Note 0002383530 downloaded in version 0021 (using RFC SAPOSS)	
2017-09-19	13:53:58	BERNARDMA	i	Note 0002383530 downloaded in version 0022 (using RFC SAPOSS)	
2017-09-19	14:07:19	BERNARDMA	i	Note 0002383530 downloaded in version 0022 (using RFC SAPOSS)	
2017-09-19	14:14:03	BERNARDMA	i	Note 0002383530 downloaded in version 0022 (using RFC SAPOSS)	
2017-09-19	14:29:22	BERNARDMA	i	Note 0002383530 downloaded in version 0022 (using RFC SAPOSS)	
2017-10-05	10:05:55	BERNARDMA	i	Note 0002383530 downloaded in version 0024 (using RFC SAPOSS)	
2017-10-06	10:31:58	BERNARDMA	i	Note 0002383530 downloaded in version 0025 (using RFC SAPOSS)	
2017-10-11	11:22:31	BERNARDMA	i	Note 0002383530 downloaded in version 0026 (using RFC SAPOSS)	
2017-10-27	08:47:32	RINNEBERG	i	Note 0002383530 downloaded in version 0028 (using RFC SAPOSS)	
2017-11-14	09:11:48	RINNEBERG	i	Note 0002383530 downloaded in version 0029 (using RFC SAPOSS)	
2017-11-20	14:18:36	BERNARDMA	i	Note 0002383530 downloaded in version 0030 (using RFC SAPOSS)	
2017-11-21	05:24:12	RINNEBERG	i	Note 0002383530 downloaded in version 0031 (using RFC SAPOSS)	
2017-12-05	08:40:12	BERNARDMA	i	Note 0002383530 downloaded in version 0032 (using RFC SAPOSS)	
2018-02-23	10:58:43	RINNEBERG	i	Note 0002383530 downloaded in version 0034 (using RFC SAPOSS)	
2018-03-07	06:20:16	BERNARDMA	i	Note 0002383530 downloaded in version 0035 (using RFC SAPOSS)	
2018-03-08	05:25:34	RINNEBERG	i	Note 0002383530 downloaded in version 0036 (using RFC SAPOSS)	
2018-03-08	05:27:19	RINNEBERG	i	Note 0002383530 downloaded in version 0036 (using RFC SAPOSS)	
2018-03-08	10:27:36	BERNARDMA	i	Note 0002383530 downloaded in version 0037 (using RFC SAPOSS)	
2018-03-12	14:54:54	BERNARDMA	i	Note 0002383530 downloaded in version 0039 (using RFC SAPOSS)	
2018-03-12	15:15:54	BERNARDMA	i	Note 0002383530 downloaded in version 0039 (using RFC SAPOSS)	
2018-03-15	07:41:56	BERNARDMA	i	Note 0002383530 downloaded in version 0040 (using RFC SAPOSS)	
2018-04-06	08:38:11	BERNARDMA	i	Note 0002383530 downloaded in version 0042 (using RFC SAPOSS)	
2018-04-10	05:35:29	BERNARDMA	i	Installation completed successfully: BW4_PRE_CHECK Version: 1.5	
2018-04-10	06:31:17	BERNARDMA	e	Installation incomplete: BW4_PRE_CHECK Version: 1.5	
				Installation incomplete: BW4_SOURCE_SYSTEM Version: 1.5	
2018-04-10	06:32:15	BERNARDMA	i	Installation completed successfully: BW4_PRE_CHECK Version: 1.5	
				Installation completed successfully: BW4_SOURCE_SYSTEM Version: 1.5	

















4 Check Phases of SAP BW Note Analyzer

Depending on the XML files, the SAP BW Note Analyzer can analyze more than SAP Notes. Each check phase has a heading line indicating the overall status of this phase in green, yellow, or red. A question mark indicates additional explanations. The results of a phase are shown per scope and checked object. The Note Analyzer has the following phases:

Check Phase	Description
System Information	The SAP BW Note Analyzer provides information about the system.
Scope Checking Phase	The SAP BW Note Analyzer content is divided in scopes. Scopes can be dependent on each other. This phase lists all checked scope.
System Profile Parameter Checking Phase	The SAP BW Note Analyzer checks the system parameters.
Software Component Checking Phase	The SAP BW Note Analyzer checks if all required software components exist. If software components or releases are missing, the solution you analyze might not support the software stack of this system.
Preparation SAP Note Checking Phase	The SAP BW Note Analyzer checks which SAP Notes are required to provide a correct analysis and implementation. Implement all required SAP Notes and before you implement SAP Notes of the following SAP Note Checking Phase.
SAP Note Checking Phase	The SAP BW Note Analyzer checks which SAP Notes are required to run the solution. The program lists which SAP Notes are not implemented and which support packages cover all required SAP Notes in this release.

Traffic lights indicate the status of each checked scope and the corresponding objects. The header line of each check phase is displayed in green, yellow, or red and displays the overall status of the check phase. In the action column, icons indicate possible actions. Where feasible, these icons react to a click. Some SAP Notes have additional comment lines below the result.

Icon	Description
	OK, no action required
	Caution, check description and action
	Error, check description and action

	Additional explanations
	Display SAP Note
	Automatic implementation of SAP Note
	Implement SAP Note with manual activities
	Check the system
	Execute program
	Log of program execution
	Download file
	Upload file
	Additional programs required before or after SAP Note implementation
	Known issues when implementing SAP Note
	Activate Internet Service (ICF)
	Link to external documentation
	Implementation by support package only
	Activate inactive objects of an SAP Note
	List of inactive objects

→ Note

If you execute an action, for example to implement an SAP Note, the check result for this item *is* automatically adjusted. However, to refresh the complete check result, go back and execute the program again.

At the beginning of the Preparation and the SAP Note Checking Phases, you get information on the maximum support package level per component, which includes all checked SAP Notes below. After each SAP Note that is required but not implemented, you see its individual support package level. In both cases, this tries to motivate you to implement support packages instead of individual SAP Notes.

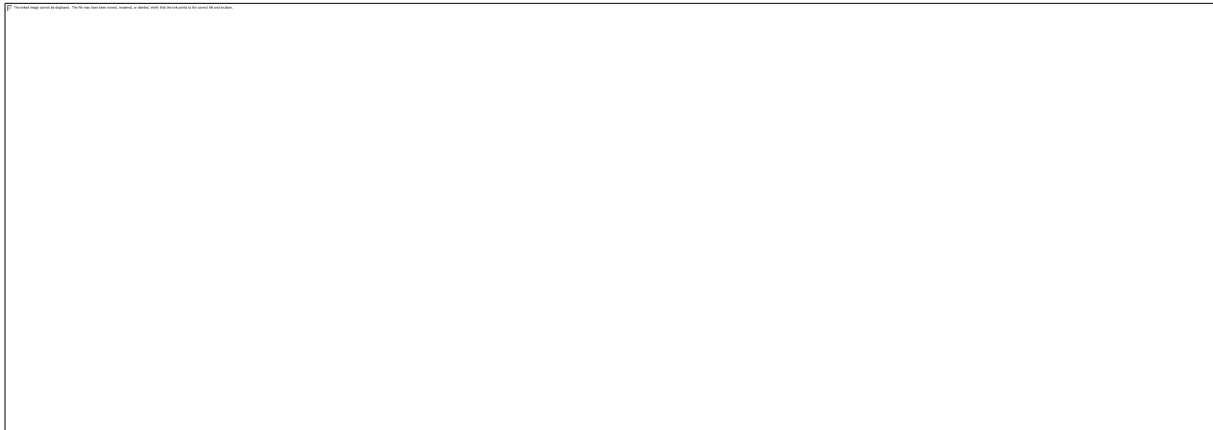
It is recommended to process the check results from top to bottom. This will ensure that SAP Notes are implemented according to their dependencies.

Changes to the system – like the implementation of SAP Notes – are captured in transport requests. It's recommended to include all changes that are based on the Note Analyzer result in a *single* transport request.

5 Examples

The following section shows examples of items that can be included in the results of running the SAP BW Note Analyzer.

Version Check:



→ In case SAP BW Note Analyzer is run with an XML that was generated with a newer version of SAP BW Note Analyzer, a warning is raised asking to update the program.

Additional Documentation:

NOTE_TCI	NOTE_TCI		Scope "Prerequisites for SAP Notes with Transport-based Correction Instructions (TCI)" loaded			
ODP_ODQ	ODP_ODQ		Scope "Requirements for use of Operational Data Provisioning" loaded			
BW4_PI_NOCOPY	BW4_PI_NOCOPY		Scope "Requirements for Source System Check for SAP BW/4HANA" loaded			
BW4_ADDON	BW4_ADDON		Scope "Requirements for Pre-Checks for Conversion to SAP BW/4HANA" loaded			

→ Click the action icon to view additional information in a browser

Missing SAP Note:

2534259			SAP Note 2534259 does not exist in system and needs to be downloaded			
			SAP Note to be implemented: 2534259 (1) "Exception "object not found" when confirming init simulation"		SAP_BW	750 10

→ Click the action icon to download the SAP Note

SAP Note without Manual Activities:

2518671			SAP Note to be implemented: 2518671 (1) "Check B4H mode also reads D version for archives"		SAP_BW	740 18
---------	--	--	--	--	--------	--------











→ Click the action icon to implement the SAP Note (there won't be any manual activities).

SAP Note with Manual Activities:






2465909			SAP Note to be implemented: 2465909 (2) "BW4HANA: New Starter Add-On Report with Automatically Execut"		SAP_BW	750 9
			Check the manual activities of the note			

→ Click the action icon to review the manual activities of the SAP Note. Then implement the SAP Note and perform the manual activities.

SAP Note with Program Execution as Manual Activity:

2503455	 		SAP Note to be implemented: 2503455 (10) "BW4HANA: Starter add-on changes (Transfer Toolbox Version 1)"		SAP_BW	750	11
	 		A program needs to be executed as manual activity after implementing the note				
	 		Execute program ZNOTE_2503455 after implementing SAP Note 2503455				






→ Click the first action icon to implement the SAP Note

2503455	 		SAP Note implemented or obsolete: 2503455 (10) "BW4HANA: Starter add-on changes (Transfer Toolbox Version 1)"		SAP_BW	750	11
	 		Execute program ZNOTE_2503455 after implementing SAP Note 2503455				





→ Click the next action icon to execute the program. If the program does not exist yet, the system will provide the option to upload and install the code.

Note: For scenarios related to system conversion (SAP Note [2383530](#)), you can find all Z-programs in the SAP_BW_Custom_Code_[n]_[Date].zip attachments of. This way you do not have to open the SAP Notes to find, download, and implement the code manually.

After a successful run of the program, the status changes to "green" (and you can view the log by clicking the corresponding icon).





2503455	 		SAP Note implemented or obsolete: 2503455 (10) "BW4HANA: Starter add-on changes (Transfer Toolbox Version 1)"		SAP_BW	750	11
	 		Execute program ZNOTE_2503455 after implementing SAP Note 2503455				

Old Version of SAP Note:

2420517	 		SAP Note implemented in version 14 instead of 13: 2420517 (14) "DTP: preparation for transfer tool"		SAP_BW	740	17
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→ Click the action icon to download the current version of the SAP Note and implement it.

SAP Note with Inactive Objects:

2567324	 		SAP Note implemented but inactive objects exist: 2567324 (9) "SAP Readiness Check for SAP BW/4HANA - Object Compatibility"		SAP_BW	730	19
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
→ The SAP Note was completely implemented; however, some objects are in an inactive state. Click the action icon to show the SAP Note in the note browser list. Then select Goto > Corrected Objects. Activate any inactive objects (shown with orange highlight). You can view the list of inactive objects by clicking the corresponding icon.

Incomplete SAP Note Metadata:










→ Under some circumstances, the metadata for an SAP Note might not be complete. Try to resolve the issue by downloading the SAP Note (again) using transaction SNOTE. If this does not succeed, please create an incident report for component "SAP Note Assistant (BC-ABA-NA)".

SAP Note without Correction Instructions:

2450902			SAP Note has no valid correction instruction for this system: 2450902 (5) "Customer Transport Upgrade Integration Wizard"		SAP_BASIS	740	18
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→ Click the action icon to review the SAP Note and confirm it. Setting the status of the SAP Note to "Completed" will turn the check "green".

SAP Note with Transport-based Correction Instructions:

2358953			Download SAR file SAPK750003CPSAPBW from SAP Note 2358953				
			Upload SAR file SAPK750003CPSAPBW to SAP Patch Manager (SPAM)				
			SAP Note to be implemented: 2358953 (16) "SAP BW/4HANA Conversion: Preparation Tasks"		SAP_BW	750	9












→ Click the first action icon to download the SAR file from the SAP Software Center

(<https://softwaredownloads.sap.com/>) to a local directory.

→ Then click the second action icon to upload the SAR file to the SAP Patch Manager (this replaces the need to logon to client 000 and upload via transaction SPAM).

→ Finally, click the third action icon to implement the SAP Note. This will automatically install the objects included in the SAR file i.e. the transport-based correction instructions.

SAP Note with Internet Services:

2415249			Activate service /default_host/sap/bw/ina/BatchProcessing				
			Activate service /default_host/sap/bw/ina/GetCatalog				
			Activate service /default_host/sap/bw/ina/GetResponse				
			Activate service /default_host/sap/bw/ina/GetServerInfo				
			Activate service /default_host/sap/bw/ina/Logoff				
			Activate service /default_host/sap/bw/ina/ValueHelp				

→ Click the action icon to activate the Internet service (same as transaction SICF)

SAP Note with Software Download / Upload:

2654906			Download file SAP_BS_FND748 from Software Center				
			Upload file SAP_BS_FND748 to SAP Patch Manager (SPAM)				

→ Click on the first icon to download the required software package from the SAP Software Center (<https://softwaredownloads.sap.com/>) to a local directory.

→ Click the second icon to upload the package to the SAP Patch Manager (this replaces the need to logon to client 000 and upload via transaction SPAM).

6 Appendix

6.1 Transport-based Correction Instructions

Up to now, the corrections and enhancements have been delivered in the following ways:

- SAP Notes automatic correction instructions
- SAP Notes manual correction instructions
- Support packages (SP)

SAP Note transport-based correction instruction (TCI) is a new way to deliver ABAP correction instructions to customer in a flexible manner.

6.2 Enable System for SAP Notes with TCI

Before you can implement any SAP Notes that contain transport-based correction instructions, you have to enable the system – specifically the SAP Note Assistant (transaction SNOTE) – for TCI.

It's recommended to enable the system using the SAP BW Note Analyzer. Scenarios that require TCI, will include the NOTE_TCI scope and list any prerequisites for TCI in the "Preparation SAP Note Checking Phase" (see chapter "Introduction").

Scope ID	Checked	Status	Action	Message	More	SW	Compon	Release	SP	Level
				Preparation note checking phase						
NOTE_ANA	875986			SAP Note not relevant for this system: 875986 (112) "Note Assistant: Important notes for SAP_BASIS up to 702"						
	1668882			SAP Note implemented or obsolete: 1668882 (21) "Note Assistant: Important notes for SAP_BASIS 730,731,740,75"		SAP_BASIS		730		99
	1143452			SAP Note not relevant for this system: 1143452 (4) "Note impl. test: Download of outdated predecessor notes"						
	1291055			SAP Note not relevant for this system: 1291055 (3) "Note Assistant: Problem activating exception classes"						
	1349277			SAP Note not relevant for this system: 1349277 (3) "Note Assistant: Method cannot be implemented"						
	1524252			SAP Note not relevant for this system: 1524252 (1) "Note implementation test: download unreleased notes"						
	1523687			SAP Note not relevant for this system: 1523687 (24) "SNOTE: Notes - Interface enhancement"						
	1530273			SAP Note not relevant for this system: 1530273 (1) "Note Assistant: Incorrect error message for INTF methods"						
	1552560			SAP Note not relevant for this system: 1552560 (5) "SNOTE: Element sequence in queue for implem./deimplementing"						
	1627683			SAP Note not relevant for this system: 1627683 (9) "SCWB/SNOTE/SPAU: Changed development package"						
	1734555			SAP Note not relevant for this system: 1734555 (12) "SNOTE: Performance fix in Interface enhancement"						
	1995550			SAP Note not relevant for this system: 1995550 (19) "Enabling SNOTE for transport based correction instruction"						
	1610942			SAP Note not relevant for this system: 1610942 (1) "CONVERT_OTF error due to non matching languages"						
NOTE_TCI	1126192			SAP Note not relevant for this system: 1126192 (2) "Note Assistant: Error when checking dependent objects"						
	1175551			SAP Note not relevant for this system: 1175551 (7) "SCWB: Change request not accepted"						
	1504500			SAP Note not relevant for this system: 1504500 (2) "Note Assistant: Navigation from Transport Organizer"						
	1532112			SAP Note not relevant for this system: 1532112 (4) "Errors when activating enhancement spot (BAI) and program"						
	1995550			SAP Note not relevant for this system: 1995550 (20) "Enabling SNOTE for transport based correction instruction"						
	2134534			SAP Note not relevant for this system: 2134534 (2) "SPAU: Modification logs for changes to public section by SAP"						
	2248091			SAP Note not relevant for this system: 2248091 (5) "Change to reimplementation handling"						
	2344014			SAP Note not relevant for this system: 2344014 (2) "SPAU Adjustment for R3TR CLAS deliveries - adjustment of obs"						
	2347322			SAP Note not relevant for this system: 2347322 (1) "Note Status of the TCI note is not shown correctly in the su"						
	2376895			SAP Note not relevant for this system: 2376895 (1) "Error in SUM phase PREP_EXTENSION/CPK_INCLUSION"						
	2411418			SAP Note not relevant for this system: 2411418 (1) "Identifying TCI in old release where SAP Note 1995550 is not"						
	2422357			SAP Note not relevant for this system: 2422357 (2) "TCI - Authorization Check - Handshake of SNOTE with SPAM"						
	2444141			SAP Note not relevant for this system: 2444141 (2) "TCI: Enabling SNOTE for Transport-Based Correction Instructi"						
	2448501			SAP Note not relevant for this system: 2448501 (3) "Transport-Based Correction Instruction (TCI): Displaying TCI"						
	2482571			SAP Note not relevant for this system: 2482571 (4) "Error during release of transport request for a transport-ba"						

For detailed documentation of TCI and how to bootstrap your system to enable TCI, see SAP [2187425](#) and its attachment (all steps are included in the SAP BW Note Analyzer NOTE_TCI scope) or the [online documentation](#).

A demo of how to apply the TCI Enablement SAP Note to your system is available in SAP Note [2498908](#).

6.3 Implement SAP Notes with TCI

To implement SAP Notes that include transport-based correction instructions, you have to follow a certain process.

It's recommended to implement SAP Notes with TCI using the SAP BW Note Analyzer. SAP Notes that include TCI, will include action items for downloading the SAR file and uploading it to the system. This is the easiest way to implement such SAP Notes (see chapter "Introduction").

SAP Note transport-based correction instructions (TCI) are transported through the system landscape (test and production system) through a customer transport similar to any SAP Notes correction.

For detailed documentation of how to implement SAP Notes with TCI, see SAP [2358953](#) and its attachment (all steps are automated by the SAP BW Note Analyzer).

6.4 Change Log for SAP BW Note Analyzer

A detailed change log is maintained in the comment section at the beginning of program Z_SAP_BW_NOTE_ANALYZER.

6.5 Uninstalling SAP BW Note Analyzer

To uninstall SAP BW Note Analyzer, simply delete program Z_SAP_BW_NOTE_ANALYZER. Any SAP Notes you might have implemented using the Note Analyzer, must be handled using the Note Assistant (transaction SNOTE).



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